

Unit 1: Interactions and Ecosystems

UNIT TEST STUDY SHEET

❖ KNOW YOUR TERMS! (a list of terms is on the back of your study sheet)

- **Basic needs of living things**

- air
- water
- food
- habitat

- **Adaptations (pg.10)**

- Structural adaptations
- Behavioral adaptations

- **Symbiotic Relationships (pg14-15)**

- Mutualism
- Parasitism
- Commensalism

- **Human Impact on the environment (pg. 23-25)**

- humans are animals too and we also are part of nature
- to meet our basic needs we must rely on our ecosystem
- there is a **problem** however: because our basic needs have been met – we have turned our attention to our **WANTS** (ex; transportation, electricity, luxury foods)
- these all require more energy to produce and **IMPACT** the ecosystem

- **Ecological footprint (pg 29 –31)**

Components:

- oxygen
- food
- water
- fibre
- energy
- recreation
- infrastructure
- waste disposal

-employment

- **Experimental variables**

- Manipulated variable – variable that is changed or tested

- Controlled variable – conditions in an experiment that the experimenter keeps the same

- Responding variable – the factor being observed or measured

- **Roles of Organisms in an ecosystem (pg. 40)**

- niche

- producers

- consumers

- herbivores

- omnivores

- carnivores

- predators

- prey

- decomposers

- **Food chains and food webs (pg. 42)**

- know how to draw and order organisms on a food chain

- **Pyramid of numbers (pg.43)**

- know the order of the pyramid

- **Cycles in the Environment (pg. 49&51)**

- Carbon cycle

- *carbon dioxide

- *fossil fuels

- Water cycle

- *four main processes:

- evaporation

- transpiration

- condensation

- precipitation

- ground water

- runoff

- **Know the term SUCCESSION (pg. 56-57)**

- primary succession

- secondary succession

- **Species in Danger (pg. 64 & 67)**

Factors that can lead to the extinction of a species:

- Habitat loss

- Introduced species

- Overuse

- Pollution

- Changes in climate